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CLAIMS

A vehicle management system comprising:

a first and second gate provided at an entrance and exit of a toll road;

a third and fourth gate provided at an entrance and exit of a rest stop, including a service area and parking area;

a communication terminal apparatus installed in a 10 vehicle;

a detection apparatuses that are installed at the first through fourth gates, and, by performing radio communication with the vehicle that passes through the gates, detect the vehicle and times of passage through the gates; and

a central control apparatus that calculates a toll according to a time during which the toll road is used excluding time spent at the rest stop, and a distance over which the toll road is used, based on the times of passage through the gates detected by the detection apparatuses.

The vehicle management system according to claim

 wherein the central control apparatus calculates an

 average traveling speed of the vehicle from the time during which the toll road is used excluding the time spent at the rest stop and the distance over which the toll road

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is used, and notifies the police if a calculated average speed exceeds a predetermined speed.

- 3. The vehicle management system according to claim
 1, wherein the central control apparatus detects a vehicle
 whose continuous traveling time is greater than or equal
 to a predetermined time, and sends a rest advisory to
 a detected vehicle urging a driver to take a rest.
- 10 4. The vehicle management system according to claim 1, wherein the central control apparatus determines whether or not a vehicle has been parked continuously at the rest stop for a predetermined time or longer, and notifies the police if the vehicle has been parked for the predetermined time or longer.